

## ECS Configuration Change Request

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Page(s)

<b>1. Originator</b> Cherry Kenney	<b>2. Log Date:</b> 10/03/02	<b>3. CCR #:</b> 02-0867	<b>4. Rev:</b> —	<b>5. Tel:</b> 301-883-4177	<b>6. Rm #:</b> 3402D	<b>7. Dept.</b> DEV/CO
<b>8. CCR Title:</b> TE_6A.06_STMGT.05						
<b>9. Originator Signature/Date</b> Cherry A. Kenney /s/ 10/3/02			<b>10. Class</b> II	<b>11. Type:</b> CCR	<b>12. Need Date:</b> 03Oct02	
<b>13. Office Manager Signature/Date</b> Louis Swentek /s/ 10/3/02			<b>14. Category of Change:</b> Initial ECS Baseline Doc.		<b>15. Priority:</b> (If "Emergency" fill in Block 27). Emergency	
<b>16. Documentation/Drawings Impacted</b> (Review and submit checklist):			<b>17. Schedule Impact:</b>		<b>18. CI(s) Affected:</b> STMGT	
<b>19. Release Affected by this Change:</b> 6A		<b>20. Date due to Customer:</b> 03Oct02		<b>21. Estimated Cost:</b> None - Under 100K		
<b>22. Source Reference:</b> <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: 35305, 35180						
<b>23. Problem: (use additional Sheets if necessary)</b> ECSed35305 - Desc: Subscriptions failing after installation of EOC patch ECSed35180, Desc: Recovery of L7 Ingests and Acquires Fail after EcDsScienceServer bounce						
<b>24. Proposed Solution: (use additional sheets if necessary)</b> Provide TE_6A06_STMGT.03 to All DAACs.						
<b>25. Alternate Solution: (use additional sheets if necessary)</b> Delay testing by science teams; wait until next STMGT delivery						
<b>26. Consequences if Change(s) are not approved: (use additional sheets if necessary)</b> 6A.06 will not have the STMGT functionality.						
<b>27. Justification for Emergency (If Block 15 is "Emergency"):</b> The DAAC has indicated a need to resolve these issues prior to the next scheduled STMGT patch delivery.						
<b>28. Site(s) Affected:</b> <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
<b>29. Board Comments:</b>				<b>30. Work Assigned To:</b>		<b>31. CCR Closed Date:</b>
<b>32. EDF/SCDV CCB Chair (Sign/Date):</b> Randall J. Miller /s/ 10/3/02		<b>Disposition:</b> <span style="border: 1px solid red; padding: 2px;">Approved</span> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
<b>33. M&amp;O CCB Chair (Sign/Date):</b> Debra Stepp /s/ 10/3/02		<b>Disposition:</b> <span style="border: 1px solid red; padding: 2px;">Approved</span> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
<b>34. ECS CCB Chair (Sign/Date):</b>		<b>Disposition:</b> Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS				

# ADDITIONAL SHEET

**CCR #:** 02-0867      **Rev:** —      **Originator:** Cherry Kenney

**Telephone:** 301-883-4177      **Office:** 3204D

**Title of Change:** TE\_6A.06\_STMGT.05

Actions:

ClearCase

Please make the following tar files from the 6A06 baseline:

Please make on IRIX65 tar file with the following package:

.EcDsStDatabase.pkg

Please make a separate IRIX65 tar file with the following files:

```
/ecs/formal/DSS/stmgt/src/Database/stmgt_allpages.sql
/ecs/formal/DSS/stmgt/src/Database/stmgt_datapages.sql
/ecs/formal/DSS/stmgt/src/Database/allpage_locking.ksh
/ecs/formal/DSS/stmgt/src/Database/datapages_locking.ksh
/ecs/formal/DSS/stmgt/src/Database/allpage_locking_nsidc_ops.ksh
/ecs/formal/DSS/stmgt/src/Database/stmgt_allpages_nsidc_ops.sql
```

Please label these tar files as TE\_6A.06\_STMGT.05

DAAC Install Instructions:

PATCH DEPENDENCIES -

TE\_6A.06\_STMGT.05 must be installed on top of 6A.06\_EOC.01A, but before you patch the STMGT database for EOC. (This replaces the patch 6256 for the STMGT database and adds a new patch 6265 -- ALL DAACs need patch 6265 even though NCR 35180 only references a Landsat 7 fault recovery issue.)  
TE\_6A.06\_STMGT.05 also delivers scripts that must be run before and after installing the STMGT database patches (NCR 35305).

## A. PREINSTALLATION:

1. No STMGT servers or the STMGT GUI should be running while patching the STMGT database.
2. untar the first tar file using the \*Setup.ksh file in a <staging\_area>/IRIX65 directory
3. untar the second tar file using the tar -xvf command in a <staging\_area>/IRIX65 directory
3. cd <staging\_area>/IRIX65
4. chmod 775 \*sql
5. chmod 775 \*ksh
6. cd <staging\_area>/IRIX65/CUSTOM/dbms/DSS
7. chmod -R 775 \*

## B. INSTALLATION:

1. logon to the host where the STMGT database package is installed (xxacgnn)

2. Bring up the EcsAssist Subsystem Manager (Do not use E.A.S.I on any SGI host)

3. Install the .EcDsStDatabase.pkg from this staging area.

4. cd /usr/ecs/<MODE>/CUSTOM/dbms/DSS directory

5. cp <staging\_area>/IRIX65/\*ksh .

6. rm /usr/ecs/<MODE>/CUSTOM/dbms/DSS/\*Setup.ksh

7. cp <staging\_area>/IRIX65/\*.sql .

8 set the following environment variables:

```
setenv SERVER <xxacgmn_srvr> (name of the SYBASE server for the STMGT database)
setenv USERNAME stmgt_role
setenv PASSWORD <stmgt_dbo_password>
setenv DBNAME <name of STMBT database being updated> (stmgtddb1, stmgtddb1_TS1, or stmgtddb1_TS2)
setenv DBADIR /usr/ecs/<MODE>/CUSTOM/dbms/DSS
setenv SYBASE /tools/sybOCv12.0.0EBF (This may already be set in your environment)
```

9. We recommend you make a backup of your STMGT database before you update your database.

10 Run the allpage\_locking.ksh script by entering that command. At NSIDC in OPS mode run the allpage\_locking\_nsidc\_ops.ksh file instead. This calls the stmgt\_allpages.sql or stmgt\_allpagess\_nsidc\_ops.sql script. You will see several indexes rebuilt and finally a return prompt. You may also see the "Message Empty" message displayed. That is not an error and does not indicate a problem.

11. Using EcsAssist SubsysManger install the STMGT database patches up through patch 6265. Patch 6265 resolves client restart issues. (See the Installation Instructions for Patch\_6A.06\_EOC.01A for a list of all STMGT database patches that will be installed at this time.)

12. After the STMGT database has been patched to Patch number 6265, run the datapages\_locking.ksh script (make sure the environment variables are still set properly as in step 8.) This script calls the stmgt\_datapages.sql script. This will rebuild 2 indexes and then return a prompt. All tables will now have the appropriate locking schema for the EOC code to work properly.

#### POST INSTALLATION:

After all of the Patch\_6A.06\_EOC.01A has completed you may now bring up the STMGT code.